

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/04979

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60N3/04 B60R13/08 D05C17/02 D05C15/26 G10K11/16
B32B7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60N B60R D06N D04H D05C G10K B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 44 31 396 A (TUFTCO CORP) 2 March 1995 (1995-03-02)	1
Y	column 2, line 37 -column 3, line 26	1-3,5,6, 9
A	column 10, line 45 -column 11, line 53; figures 10A,10B	13-18
A	DE 41 32 024 A (EYBL GMBH ;BAYERISCHE MOTOREN WERKE AG (DE)) 1 April 1993 (1993-04-01)	1-18
Y	column 1, line 3 -column 3, line 26	
Y	WO 02 20307 A (NICOLAI NORBERT ;SCHULZE VOLKMAR (DE); HP CHEMIE PELZER RES AND DE) 14 March 2002 (2002-03-14)	1-3,5,6, 9
A	page 3, line 1 -page 7, line 9; figure 1	13-18
	--- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

6 August 2003

Date of mailing of the international search report

12/08/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Lindner, T

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/04979

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 295 07 971 U (BORGERS JOHANN GMBH CO KG) 23 November 1995 (1995-11-23)	1-3,5,6,9
A	page 1, line 10-31; figures 1,2; examples 1,2	13-18
A	DE 197 54 107 C (FRAUNHOFER GES FORSCHUNG) 25 February 1999 (1999-02-25) the whole document	1
A	DE 42 35 601 A (GIRMES GMBH) 14 April 1994 (1994-04-14) column 1, line 16-66; figure 1	1-18
A	EP 0 384 420 A (BAYERISCHE MOTOREN WERKE AG ;DURA TUFTING GMBH (DE)) 29 August 1990 (1990-08-29) page 2, column 1, line 43 -page 3, column 3, line 19 page 4, column 6, line 49 -page 5, column 7, line 13	1-18

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/04979

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 4431396	A	02-03-1995	US 5575228 A DE 4431396 A1 GB 2281314 A ,B JP 7197370 A	19-11-1996 02-03-1995 01-03-1995 01-08-1995
DE 4132024	A	01-04-1993	DE 4132024 A1	01-04-1993
WO 0220307	A	14-03-2002	DE 10044761 A1 DE 10101819 A1 AU 8404901 A WO 0220307 A1 EP 1315638 A1	18-04-2002 18-07-2002 22-03-2002 14-03-2002 04-06-2003
DE 29507971	U	23-11-1995	DE 29507971 U1	23-11-1995
DE 19754107	C	25-02-1999	DE 19754107 C1 WO 9929979 A1	25-02-1999 17-06-1999
DE 4235601	A	14-04-1994	DE 4235601 A1	14-04-1994
EP 0384420	A	29-08-1990	DE 3905607 A1 DE 59001740 D1 EP 0384420 A2 JP 1967592 C JP 3000233 A JP 6098727 B	30-08-1990 22-07-1993 29-08-1990 18-09-1995 07-01-1991 07-12-1994